

ABSTRACT OF THE DISCLOSURE

[0060] A circuit is provided that provides for the same power characteristics to an assembly of electrical resistive elements wired in parallel as to the assembly as wired in series. An input power source provides electrical resistive power to a plurality of load elements, wherein the plurality of load elements are connected in parallel to each other. A plurality of power splitters divide the power source into separate and equal power subsources such that there is one power splitter and one power subsource for each load element, wherein the power provided to each of the plurality of load elements is equal to the power of the electrical power source. Redundancy and fault tolerance is provided to the circuitry by permitting remaining load elements to continue to operate should one or more load elements fail.